

Regional HIV/AIDS Epidemiologic Profile of Northeast Health Service Region, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Northeast Health Service Region, Massachusetts

	N	%
People Living with HIV/AIDS	2,462	61%
People Reported with HIV or AIDS who are Deceased	1,589	39%
Total Number of People Reported with HIV Infection or AIDS	4,051	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Northeast Health Service Region, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Northeast Health Service Region, MA	11 per 100,000	135
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Northeast Health Service Region, MA	196 per 100,000	2,463
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Northeast Health Service Region, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,725	64	191
2000	1,824	56	155
2001	1,919	69	164
2002	2,029	51	161
2003	2,137	52	160
2004	2,251	42	156
2005	2,359	33	141
2006	2,426	41	108

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Northeast Health Service Region, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	263	65%	1,660	67%
Female	142	35%	803	33%
Place of Birth:	N	%	N	%
US	209	52%	1,472	60%
Puerto Rico/US Dependency ²	33	8%	375	15%
Non-US	163	40%	616	25%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	150	37%	1,155	47%
Black (non-Hispanic)	123	30%	496	20%
Hispanic	116	29%	725	29%
Other/Undetermined ³	16	4%	87	4%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	112	28%	741	30%
Injection Drug Use (IDU)	40	10%	553	22%
MSM/IDU	8	2%	68	3%
Heterosexual Sex	52	13%	365	15%
Other	4	1%	59	2%
Total Undetermined	189	47%	677	27%
• Presumed Heterosexual Sex ⁴	118	29%	471	19%
• Undetermined ⁵	71	18%	206	8%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	4	1%	14	1%
13 to 19	4	1%	31	1%
20 to 24	24	6%	27	1%
25 to 29	37	9%	78	3%
30 to 34	67	17%	173	7%
35 to 39	76	19%	351	14%
40 to 44	76	19%	545	22%
45 to 49	56	14%	526	21%
50 to 54	32	8%	357	14%
55 to 59	15	4%	163	7%
60+	14	3%	198	8%
Total	405	100%	2,463	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Northeast Health Service Region, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	915	55%	240	30%
Black Non-Hispanic	244	15%	252	31%
Hispanic	449	27%	276	34%
Other/Undetermined ¹	52	3%	35	4%
Total	1,660	100%	803	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Northeast Health Service Region, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	741	45%	N/A	N/A
Injection drug use (IDU)	364	22%	189	24%
MSM/IDU	68	4%	N/A	N/A
Heterosexual sex	104	6%	261	33%
Other	32	2%	27	3%
Total Undetermined	351	21%	326	41%
• Presumed heterosexual sex ¹	217	13%	254	32%
• Undetermined ²	134	8%	72	9%
Total	1,660	100%	803	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Northeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	2,047	74%	726	26%	2,773
1999	136	71%	55	29%	191
2000	105	68%	50	32%	155
2001	103	63%	61	37%	164
2002	103	64%	58	36%	161
2003	111	69%	49	31%	160
2004	97	62%	59	38%	156
2005	92	65%	49	35%	141
2006 ²	74	69%	34	31%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Northeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	1,728	62%	309	11%	708	26%	28	1%	2,773
1999	96	50%	35	18%	51	27%	9	5%	191
2000	61	39%	42	27%	40	26%	12	8%	155
2001	64	39%	49	30%	43	26%	8	5%	164
2002	61	38%	47	29%	41	25%	12	7%	161
2003	65	41%	41	26%	47	29%	7	4%	160
2004	54	35%	44	28%	48	31%	10	6%	156
2005	46	33%	49	35%	41	29%	5	4%	141
2006 ³	50	46%	30	28%	27	25%	1	1%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Northeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	2,041	74%	464	17%	268	10%	2,773
1999	112	59%	30	16%	49	26%	191
2000	77	50%	23	15%	55	35%	155
2001	83	51%	21	13%	60	37%	164
2002	80	50%	19	12%	62	39%	161
2003	85	53%	20	13%	55	34%	160
2004	79	51%	16	10%	61	39%	156
2005	64	45%	12	9%	65	46%	141
2006 ³	66	61%	5	5%	37	34%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Northeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	888	32%	995	36%	121	4%	335	12%	140	5%	186	7%	108	4%	2,773
1999	46	24%	45	24%	4	2%	24	13%	4	2%	57	30%	11	6%	191
2000	37	24%	27	17%	1	1%	24	15%	3	2%	48	31%	15	10%	155
2001	48	29%	17	10%	3	2%	31	19%	2	1%	44	27%	19	12%	164
2002	43	27%	22	14%	2	1%	24	15%	1	1%	49	30%	20	12%	161
2003	57	36%	28	18%	3	2%	19	12%	0	0%	28	18%	25	16%	160
2004	42	27%	21	13%	2	1%	19	12%	2	1%	40	26%	30	19%	156
2005	37	26%	12	9%	5	4%	23	16%	0	0%	43	30%	21	15%	141
2006 ⁴	33	31%	7	6%	1	1%	10	9%	2	2%	35	32%	20	19%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Northeast Health Service Region, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	57	191	30%
2000	49	155	32%
2001	58	164	35%
2002	46	161	29%
2003	42	160	26%
2004	61	156	39%
2005	43	141	30%
2006	41	108	38%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Northeast Health Service Region, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	106	263	40%
Female	39	142	27%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	51	150	34%
Black (non-Hispanic)	48	123	39%
Hispanic	42	116	36%
Other/Undetermined ²	4	16	25%
Place of Birth:	N	N	%
US	65	209	31%
Puerto Rico/US Dependencies ³	10	33	30%
Non-US	70	163	43%
Total	145	405	36%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08